

ABSTRACT OF THE DISCLOSURE

An engine with a lockable valve actuator and method of controlling an engine with such an actuator are disclosed. The actuator may include an actuator cylinder with an actuator piston reciprocatingly disposed therein. The actuator piston may be moved by directing pressurized fluid into the actuator cylinder, and locked into a given position by maintaining the pressurized fluid in the actuator cylinder. The actuator may be used in conjunction with a mechanically driven actuator used to move a valve, with the fluidically driven actuator being used to maintain the valve into a desired position.